

#### ABSTRACT OF THE DISCLOSURE

An object is to enhance the difficulty in decrypting ciphertext. In order to do input into an encryption algorithm that receives plaintext to output ciphertext, a particular plaintext detector for detecting that the plaintext satisfying a predetermined condition is inputted, the particular plaintext detector includes: a receiving part for receiving the plaintext; a counter part for separating a predetermined part from a bit string forming the plaintext into a fixed part and a remaining part into a variable part, counting the inputted plaintext having a value of the fixed part included in a set of values of the fixed parts at every set of the values of the fixed parts formed of 1 or a plurality of the values of the fixed parts, and storing it as a separate count; and a detecting part for outputting a detection signal when at least one of the separate counts exceeds a predetermined number. The particular plaintext detector is used to receive a detection signal for proper action, which allows the increased difficulty of decryption.